IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A solid component of catalyst for (co)polymerization of ethylene, comprising titanium, magnesium, chlorine, an organo-oxygenated protic compound D_p , and a neutral electron-donor aprotic compound D, in the following molar ratio ranges:

$$Mg/Ti = 1.0-50;$$
 $D/Ti = 1.0-15;$

$$C1/Ti = 6.0-100;$$
 $D_p/D = 0.05-3,$

and additionally comprising an inert granular solid, in a quantity ranging from 10 to 90% by weight with respect to the total weight of the solid component.

Claim 2 (Canceled).

Claim 3 (Previously Presented): The solid component according to claim 2, wherein said inert granular solid is in a quantity ranging from 25 to 50% by weight.

Claim 4 (Previously Presented): The solid component according to claim 2, wherein said inert granular solid is selected from the group consisting of: silica, titania, silico-aluminates, calcium carbonate and magnesium chloride; and the average size of the inert granule solid is from $10~\mu m$ to $300~\mu m$.

Claim 5 (Currently Amended): The solid component according to claim 4, wherein said insert inert granular solid comprises microspheroidal silica having an average diameter ranging from 20 to 100 μ m, a BET surface area ranging from 150 to 400 m²/g, a total porosity equal or higher than 80% and an average pore radius of 50 to 200 Å.

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Claim 6 (Previously Presented): The solid component according to claim 1, wherein the molar ratio ranges are:

$$Mg/Ti = 1.5-10;$$
 $D/Ti = 3.0-8.0;$

C1/Ti = 10-25;
$$D_p/D = 0.1-2.0$$
.

Claim 7 (Previously Presented): The solid component according to claim 1, wherein said ratio D_p/D ranges from 0.2 to 1.0.

Claim 8 (Previously Presented): The solid component according to claim 1, wherein said organo-oxygenated protic compound D_p comprises a compound having following formula (II):

$$R-(A)_m-OH$$
 (II)

wherein:

R is an aliphatic, cyclo-aliphatic or aromatic radical, optionally fluorinated, containing from 1 to 30 carbon atoms,

A is one of divalent groups having the formula CR^1R^2 , CO, SCO and SO, wherein each R^1 and R^2 is independently hydrogen or an aliphatic or aromatic group having from 1 to 10 carbon atoms;

m is 0 or 1.

Claim 9 (Previously Presented): The solid component according to claim 1, wherein said organo-oxygenated protic compound D_p is selected from the group consisting of aliphatic or aromatic alcohols and organic acids, having from 2 to 10 carbon atoms.

Claim 10 (Previously Presented): The solid component according to claim 1, wherein said aprotic electron-donor compound D is a coordinating organic compound having from 3 to 20 carbon atoms, comprising at least one heteroatom of non-metallic compounds of groups 15 and 16.

Claim 11 (Previously Presented): The solid component according to claim 1, wherein said electron-donor compound D is at least one selected from the group consisting of ketones, ethers, esters, amines, amides, thioethers, and xanthates, linear or cyclic, and aliphatic or aromatic, having from 4 to 10 carbon atoms.

Claim 12 (Previously Presented): The solid component according to claim 10, wherein said compound D is selected from the group consisting of dibutyl ether, dihexyl ether, methylethyl ketone, diisobutyl ketone, tetrahydrofuran, dioxane, ethyl acetate, and butyrolactone.

Claim 13 (Previously Presented): The solid component according to claim 1, wherein said titanium is present in a quantity ranging from 1 to 10% by weight.

Claim 14 (Withdrawn - Currently Amended): A process for preparation of the solid component according to claim 1, comprising in succession: (a) forming of a mixture and dissolution, in aprotic electron-donor compound D, of a magnesium chloride and a titanium compound having formula (I):

$$Ti^{v}(OR^{3})_{a}X_{(v-a)} \tag{I}$$

wherein each R³ represents a hydrocarbyl or acyl radical having from 1 to 15 carbon atoms, and adding an inert granular solid;

each X is selected from the group consisting of chlorine, bromine and iodine; v is 3 or 4, and represents an oxidation state of titanium,

a is a number ranging from 0 to v, with a molar ratio between magnesium and titanium ranging from 1/1 to 50/1;

- (b) partially separating the compound D from said mixture prepared in (a) until a residue is obtained, solid at room temperature, wherein the D/Ti ratio ranges from 1.5 to 40,
 - (c) forming a suspension of said solid residue in a liquid hydrocarbon medium,
- (d) adding said suspension of an organo-oxygenated protic compound D_p , in a quantity that the molar ratio D_p/D ranges from 0.1 to 1.2 and maintaining the mixture for a period varying from 5 minutes to 5 hours.

Claim 15 (Canceled).

Claim 16 (Withdrawn): The process according to claim 15, wherein said granular solid is selected from the group consisting of: silica, titania, silico-aluminates, calcium carbonate, and magnesium chloride; the granular solid has an average granule size ranging from $10~\mu m$ to $300~\mu m$.

Claim 17 (Withdrawn): The process according to claim 15, wherein said inert granular solid has microspheroidal silica having an average diameter ranging from 20 to 100 μ m, a BET surface area ranging from 150 to 400 m²/g, a total porosity equal or higher than 80% and an average pore radius of 50 to 200 Å.

Claim 18 (Withdrawn): The process according to claim 14, wherein said titanium compound having formula (I) is selected from the group consisting of titanium chlorides, bromides, alcoholates and carboxylates.

Claim 19 (Withdrawn): The process according to claim 14, wherein said compound having formula (I) in (a) is titanium trichloride.

Claim 20 (Withdrawn): The process according to claim 14, wherein said magnesium chloride is in amorphous form.

Claim 21 (Withdrawn): The process according to claim 14, wherein, in said (a), the atomic ratio between magnesium and titanium ranges from 1.0 to 50 and the ratio (D moles)/(Ti atoms) ranges from 5 to 100.

Claim 22 (Withdrawn): The process according to claim 14, wherein said (a) is carried out at a temperature ranging from room temperature to a boiling point of the donor compound D, until at least 80% of said compounds of Ti and Mg are dissolved.

Claim 23 (Withdrawn): The process according to claim 14, wherein said (b) is carried out by evaporation.

Claim 24 (Withdrawn): The process according to claim 14, wherein the molar ratio D_p/D in said (d) ranges from 0.2 to 1.2.

Claim 25 (Withdrawn): The process according to claim 14, wherein said (d) is carried out by heating the mixture to a temperature ranging from 40 to 100°C, for a period of time varying from 5 minutes to 5 hours.

Claim 26 (Withdrawn): The process according to claim 25, wherein the reaction mixture in said (d) is heated to a temperature of 60 to 80°C, for a period ranging from 5 to 60 minutes.

Claim 27 (Withdrawn): A process for preparation of a solid component according to claim 1, comprising reacting in an inert liquid medium, a solid precursor comprising titanium, magnesium, chlorine, an aprotic electron-donor compound D and optionally an inert granular solid, in following molar ratios:

$$Mg/Ti = 1-50;$$
 $D/Ti = 2.0-20;$ $CI/Ti = 6-100;$

and wherein said inert granular solid is in a quantity ranging from 0 to 95%,

with protic organo-oxygenated compound D_p , in a quantity that the molar ratio D_p/D ranges from 0.1 to 1.2, until equilibrium is reached.

Claim 28 (Withdrawn): The process according to claim 27, wherein said molar ratios are:

$$Mg/Ti = 1.5-10;$$
 $D/Ti = 4.0-12;$ $Cl/Ti = 10-30$

and said inert granular solid is in a quantity ranging from 20 to 60% by weight with respect to the total weight of the precursor.

Claim 29 (Withdrawn): The process according to claim 27, wherein the molar ratio D_p/D ranges from 0.2 to 1.2.

Claim 30 (Withdrawn): The process according to claim 27, wherein said reaction is carried out at a temperature ranging from 40 to 100°C, for a period varying from 5 minutes to 5 hours.

Claim 31 (Withdrawn): The process according to claim 30, wherein said reaction is carried out at a temperature ranging from 60 to 80°C, for a period of 5 to 60 minutes.

Claim 32 (Withdrawn): A catalyst for (co)polymerization of ethylene, wherein the catalyst is obtained by a process comprising reaction of said solid component according to claim 1, with a co-catalyst comprising a hydrocarbyl compound of a metal selected from the group consisting of Al, Ga, Mg, Zn and Li, wherein the atomic ratio between the metal in the co-catalyst and titanium in the solid component of catalyst ranges from 10:1 to 500:1.

Claim 33 (Withdrawn): The catalyst according to claim 32, wherein the atomic ratio between the metal in the co-catalyst and titanium in the solid component of catalyst ranges from 50:1 to 200:1.

Claim 34 (Withdrawn): The catalyst according to claim 32, comprising titanium, magnesium, aluminum and chlorine, wherein said co-catalyst comprises an alkylic organometallic compound of aluminum.

Claim 35 (Withdrawn): The catalyst according to claim 34, wherein said organometallic compound of aluminum is at least one of aluminum tri-alkyls comprising from 1 to 10 carbon atoms in each alkyl group.

Claim 36 (Withdrawn): The catalyst according to claim 32, wherein said solid component is activated before contact with said co-catalyst, by reaction with an aluminum alkyl or alkyl chloride represented by following general formula (III):

$$AlR'_nX_{(3-n)}$$
 (III)

wherein: R' is a linear or branched alkyl radical containing from 1 to 20 carbon atoms, X is one of H and Cl and n is a decimal number having a value ranging from 1 to 3; and an Al/(D+D_p) ratio between the aluminium moles in said compound having formula (III) and the total of D and D_p moles in said solid component, ranges from 0.1 to 1.5.

Claim 37 (Withdrawn): The catalyst according to claim 36, wherein said R' in formula (III) is a linear or branched aliphatic radical, having from 2 to 8 carbon atoms.

Claim 38 (Withdrawn): The catalyst according to claim 37, wherein said Al/(D+ D_p) ratio ranges from 0.2 to 1.3.

Claim 39 (Withdrawn): The catalyst according to claim 36, wherein said solid component is activated by a first reaction with an aluminum trialkyl (n = 3 in formula (III)), and successively in a second reaction with an aluminum dialkyl chloride (n = 2, X = Cl, in formula (III)), in a quantity that the overall molar ratio $Al/(D+D_p)$ ranges from 0.1 to 1.3.

Claim 40 (Withdrawn): The catalyst according to claim 38, wherein, in said first reaction, the molar ratio $AlR_3/(D+D_p)$ ranges from 0.1 to 0.4 and, in the second reaction, the molar ratio $AlR_2Cl/(D+D_p)$ ranges from 0.2 to 0.6.

Claim 41 (Withdrawn): A process for (co)polymerization of ethylene, comprising reacting ethylene and optionally at least one alpha-olefin, under a polymerization condition, in the presence of said catalyst according to claim 32.

Claim 42 (Withdrawn): The process according to claim 41, comprising carrying out a fluid-bed method, wherein a gaseous stream of ethylene and optional alpha-olefin is reacted in the presence of a quantity of catalyst, wherein a titanium concentration ranges from 1 to 5 ppm by weight with respect to a consolidated production, at a temperature ranging from 70 to 115°C, and at a pressure ranging from 500 to 1000 kPa.

Claim 43 (Withdrawn): The process according to claim 42, wherein said stream is introduced from the bottom of the polymerization reactor, partially comprising a stream in liquid form.

Claim 44 (Withdrawn): The process according to claim 42, wherein said gaseous stream comprises ethylene and alpha-olefin.

Claim 45 (Withdrawn): The process according to claim 41, wherein the molar ratio with ethylene ranges from 0.1 to 1.0.

Claim 46 (Withdrawn): The process according to claim 41, wherein said α -olefin is one of 1-butene, 1-hexene and 1-octene and is in a quantity that the molar ratio with ethylene ranges from 0.1 to 0.4.

Claim 47 (Withdrawn): The process according to claim 41, comprising obtaining linear polyethylene having a density ranging from 0.915 to 0.950 g/ml.

Claim 48 (Withdrawn): The process according to claim 42, comprising obtaining linear polyethylene having a density lower than 0.915 g/ml and copolymerizing, in gas phase, a gaseous mixture comprising ethylene and at least one alpha-olefin having from 4 to 10 carbon atoms.

Claim 49 (Withdrawn): The process according to claim 48, wherein the gaseous mixture of ethylene and the at least one alpha-olefin is reacted in the presence of a sufficient quantity of catalyst, at a temperature ranging from 70 to 95°C, and a pressure ranging from 500 to 1000 kPa.

Claim 50 (Withdrawn): The process according to claim 48, wherein said alpha-olefin is one of 1-butene, 1-hexene and 1-octene, and is in a quantity that the molar ratio with respect to ethylene ranges from 0.1 to 0.4.

Claim 51 (Withdrawn): The process according to claim 41, wherein said catalyst is formed *in situ* inside the reactor.

Claim 52 (Withdrawn): The process according to claim 41, wherein said linear polyethylene has a weight average molecular weight M_w ranging from 20,000 to 500,000 and a MWD (M_w/M_n) distribution ranging from 2.5 to 4.